

**ABSTRACT OF THE DISCLOSURE**

The present invention provides a light weight golf ball having excellent flight performance and good shot feel. The present invention relates to a light weight golf ball comprising a core and a cover covering the core, wherein the cover has a flexural modulus (F) of 200 to 600 MPa, the golf ball has a specific gravity of not less than 0.50 and less than 1.00, and a deformation amount (D) of 3.1 to 5.0 mm when applying from an initial load of 98 N to a final load of 1275 N, and a ratio (F/D) of the flexural modulus of the cover (F) to the deformation amount of the golf ball (D) is within the range of more than 50 and not more than 125.

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